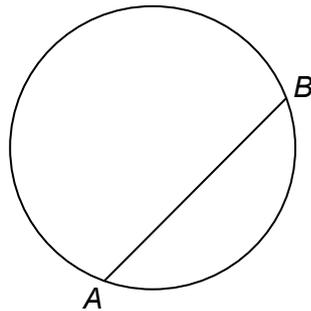


Topic Test 1 (20 minutes)

Circumference and area - Foundation

1 (a) Circle the word that describes the line AB .



[1 mark]

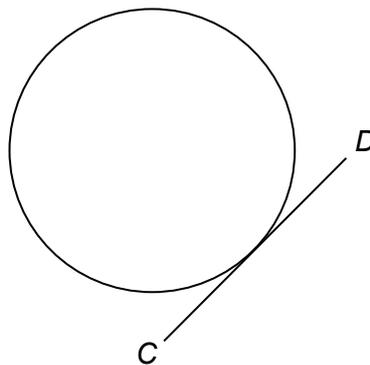
chord

diameter

radius

tangent

1 (b) Circle the word that describes the line CD .



[1 mark]

chord

diameter

radius

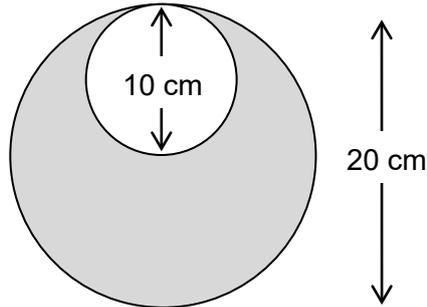
tangent

2 This shape is made from circles.

The diameter of

the smaller circle is 10 cm

the larger circle is 20 cm



Not drawn accurately

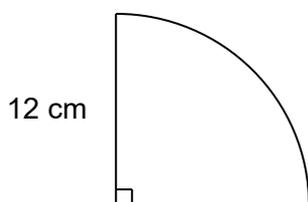
What fraction of the shape is shaded?

Give your answer in its simplest form.

[4 marks]

Answer _____

3 The diagram shows a quarter circle of radius 12 cm



Not drawn accurately

Work out the area of the shape.

[2 marks]

Answer _____ cm²

4 A marble is a sphere of radius 6 mm

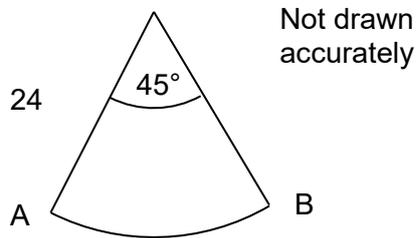
You are given that surface area of a sphere = $4\pi \times \text{radius}^2$

Work out the surface area of the marble.

[2 marks]

Answer _____ mm²

7 The diagram shows a sector of a circle of radius 24 cm



Work out the arc length AB.

[3 marks]

Answer _____ cm